

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

53

Application Number

09/807,647

Filing Date

April 16, 2001

First Named Inventor

S. Oi

Art Unit

1624

Examiner Name

B. Kifle

Attorney Docket Number

2560 USOP

ENCLOSURES (Check all that apply)



Fee Transmittal Form



Fee Attached



Amendment/Reply



After Final



Affidavits/declaration(s)



Extension of Time Request



Express Abandonment Request



Information Disclosure Statement



Certified Copy of Priority Document(s)



Reply to Missing Parts/ Incomplete Application



Reply to Missing Parts under 37 CFR 1.52 or 1.53



Drawing(s)



Licensing-related Papers



Petition



Petition to Convert to a Provisional Application



Power of Attorney, Revocation Change of Correspondence Address



Terminal Disclaimer



Request for Refund



CD, Number of CD(s) _____

☐ Landscape Table on CD



After Allowance Communication to TC



Appeal Communication to Board of Appeals and Interferences



Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)



Proprietary Information



Status Letter



Other Enclosure(s) (please identify below):

Return Postcard

Appendix A (copy of previously submitted Information Disclosure Statement and copies of related transmittal papers)

Remarks

The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account 500799.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name

Signature

Elaine M. Ramesh

Printed name

Elaine M. Ramesh

Date

6/7/05

Reg. No.

43,032

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

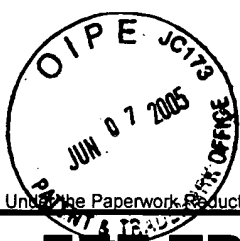
Signature

Typed or printed name

Date

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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FEE TRANSMITTAL for FY 2005

Effective 10/01/2004. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 120.00

Complete if Known

| | |
|----------------------|----------------|
| Application Number | 09/807,647 |
| Filing Date | April 16, 2001 |
| First Named Inventor | S. Oi |
| Examiner Name | B. Kifle |
| Art Unit | 1624 |
| Attorney Docket No. | 2560 USOP |

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit Account Number 500799

Deposit Account Name Takeda Chemical Ind. Ltd.

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) or any underpayment of fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|--------------|----------|--------------|----------|------------------------|----------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 1001 | 790 | 2001 | 395 | Utility filing fee | |
| 1002 | 350 | 2002 | 175 | Design filing fee | |
| 1003 | 550 | 2003 | 275 | Plant filing fee | |
| 1004 | 790 | 2004 | 395 | Reissue filing fee | |
| 1005 | 160 | 2005 | 80 | Provisional filing fee | |
| SUBTOTAL (1) | | | | | (\$) |

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| | | Extra Claims | | Fee from below | | Fee Paid |
|--------------------|----------------------|--------------|----------------------|----------------|-----|----------------------|
| | | | | | | |
| Total Claims | <input type="text"/> | -20** = | <input type="text"/> | X | 18 | <input type="text"/> |
| Independent Claims | <input type="text"/> | - 3** = | <input type="text"/> | X | 88 | <input type="text"/> |
| Multiple Dependent | | | | | 300 | <input type="text"/> |

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|--------------|----------|--------------|----------|--|----------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 1202 | 18 | 2202 | 9 | Claims in excess of 20 | |
| 1201 | 88 | 2201 | 44 | Independent claims in excess of 3 | |
| 1203 | 300 | 2203 | 150 | Multiple dependent claim, if not paid | |
| 1204 | 88 | 2204 | 44 | ** Reissue independent claims over original patent | |
| 1205 | 18 | 2205 | 9 | ** Reissue claims in excess of 20 and over original patent | |

SUBTOTAL (2) (\$)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Small Entity

| Fee Code | Fee (\$) | Fee Code | Fee (\$) | Fee Description | Fee Paid |
|----------|----------|----------|----------|--|----------|
| 1051 | 130 | 2051 | 65 | Surcharge - late filing fee or oath | |
| 1052 | 50 | 2052 | 25 | Surcharge - late provisional filing fee or cover sheet | |
| 1053 | 130 | 1053 | 130 | Non-English specification | |
| 1812 | 2,520 | 1812 | 2,520 | For filing a request for <i>ex parte</i> reexamination | |
| 1804 | 920* | 1804 | 920* | Requesting publication of SIR prior to Examiner action | |
| 1805 | 1,840* | 1805 | 1,840* | Requesting publication of SIR after Examiner action | |
| 1251 | 110 | 2251 | 55 | Extension for reply within first month | 120 |
| 1252 | 430 | 2252 | 215 | Extension for reply within second month | |
| 1253 | 980 | 2253 | 490 | Extension for reply within third month | |
| 1254 | 1,530 | 2254 | 765 | Extension for reply within fourth month | |
| 1255 | 2,080 | 2255 | 1,040 | Extension for reply within fifth month | |
| 1401 | 340 | 2401 | 170 | Notice of Appeal | |
| 1402 | 340 | 2402 | 170 | Filing a brief in support of an appeal | |
| 1403 | 300 | 2403 | 150 | Request for oral hearing | |
| 1451 | 1,510 | 1451 | 1,510 | Petition to institute a public use proceeding | |
| 1452 | 110 | 2452 | 55 | Petition to revive - unavoidable | |
| 1453 | 1,330 | 2453 | 665 | Petition to revive - unintentional | |
| 1501 | 1,370 | 2501 | 685 | Utility issue fee (or reissue) | |
| 1502 | 490 | 2502 | 245 | Design issue fee | |
| 1503 | 660 | 2503 | 330 | Plant issue fee | |
| 1460 | 130 | 1460 | 130 | Petitions to the Commissioner | |
| 1807 | 50 | 1807 | 50 | Processing fee under 37 CFR 1.17(q) | |
| 1806 | 180 | 1806 | 180 | Submission of Information Disclosure Stmt | |
| 8021 | 40 | 8021 | 40 | Recording each patent assignment per property (times number of properties) | |
| 1809 | 790 | 2809 | 395 | Filing a submission after final rejection (37 CFR 1.129(a)) | |
| 1810 | 790 | 2810 | 395 | For each additional invention to be examined (37 CFR 1.129(b)) | |
| 1801 | 790 | 2801 | 395 | Request for Continued Examination (RCE) | |
| 1802 | 900 | 1802 | 900 | Request for expedited examination of a design application | |

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 120.00

SUBMITTED BY

(Complete if applicable)

| | | | | | |
|-------------------|-----------------------------|-----------------------------------|--------|-----------|--------------|
| Name (Print/Type) | Elaine M. Ramesh, Ph.D., JD | Registration No. (Attorney/Agent) | 43,032 | Telephone | 847-383-3391 |
| Signature | <i>Elaine M. Ramesh</i> | Date | 6/7/05 | | |

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

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| | | |
|-----------------------------|-----------------------|------------------|
| U.S. APPLICATION NUMBER NO. | FIRST NAMED APPLICANT | ATTY. DOCKET NO. |
| 09/807,647 | Satoru Oi | 2560USOP |

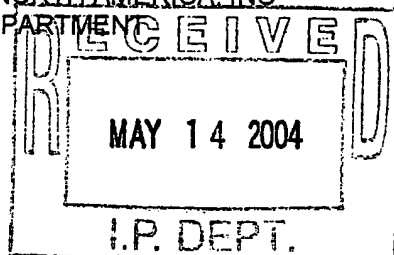
| |
|-------------------------------|
| INTERNATIONAL APPLICATION NO. |
|-------------------------------|

PCT/JP99/05754

| | |
|-----------------|---------------|
| LA. FILING DATE | PRIORITY DATE |
| 10/19/1999 | 10/20/1998 |

23115

TAKEDA PHARMACEUTICALS NORTH AMERICA, INC.
 INTELLECTUAL PROPERTY DEPARTMENT
 475 HALF DAY ROAD
 SUITE 500
 LINCOLNSHIRE, IL 60069



CONFIRMATION NO. 2246

371 ACCEPTANCE LETTER



OC000000012555359

Date Mailed: 05/10/2004

NOTICE OF ACCEPTANCE OF APPLICATION UNDER 35 U.S.C 371 AND 37 CFR 1.495

The applicant is hereby advised that the United States Patent and Trademark Office in its capacity as a Designated / Elected Office (37 CFR 1.495), has determined that the above identified international application has met the requirements of 35 U.S.C. 371, and is ACCEPTED for national patentability examination in the United States Patent and Trademark Office.

The United States Application Number assigned to the application is shown above and the relevant dates are:

04/16/200106/29/2001

DATE OF RECEIPT OF 35 U.S.C. 371(c)(1), (c)(2) and
 (c)(4) REQUIREMENTS

DATE OF COMPLETION OF ALL 35 U.S.C. 371
 REQUIREMENTS

A Filing Receipt (PTO-103X) will be issued for the present application in due course. **THE DATE APPEARING ON THE FILING RECEIPT AS THE " FILING DATE" IS THE DATE ON WHICH THE LAST OF THE 35 U.S.C. 371 (c)(1), (c)(2) and (c)(4) REQUIREMENTS HAS BEEN RECEIVED IN THE OFFICE. THIS DATE IS SHOWN ABOVE.** The filing date of the above identified application is the international filing date of the international application (Article 11(3) and 35 U.S.C. 363). Once the Filing Receipt has been received, send all correspondence to the Group Art Unit designated thereon.

The following items have been received:

- Copy of the International Application filed on 04/16/2001
- Copy of the International Search Report filed on 04/16/2001
- Copy of IPE Report filed on 04/16/2001
- Biochemical Sequence Diskette filed on 04/21/2004
- Oath or Declaration filed on 04/16/2001
- Biochemical Sequence Listing filed on 04/21/2004
- Copy of references cited in ISR filed on 04/16/2001
- U.S. Basic National Fees filed on 04/16/2001
- Priority Documents filed on 04/21/2004

U.S. Patent Application Serial NO. 09/807,647

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

KAYA L LEWIS BALTIMORE

Telephone: (703) 305-3695

PART 1 - ATTORNEY/APPLICANT COPY

FORM PCT/DO/EO/903 (371 Acceptance Notice)

U.S. Patent Application Serial NO. 09/207,647



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EL 784119258 US



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| City In 416-01 | <input type="checkbox"/> 12 Noon <input type="checkbox"/> 3 PM | Postage \$ 27.30 |
| Mo. Day Year 17 01 | Military <input type="checkbox"/> 2nd Day <input type="checkbox"/> 3rd Day | Return Receipt Fee |
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LINCOLNSHIRE IL 60069-2935

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WASHINGTON DC 20231-0001

Docket #2560 USOP

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Store USPS Trans 165
Wkstn sys5002 Cashier KK14SH
Cashier's Name Greg
Stock Unit Id GREGSSA
PO Phone Number 847-634-3260

1. Exp. Mail PO-ADD 0.00
Destination: 20231
Weight: 5lb 4.30oz
Postage Type: None
Total Cost: 27.30
Base Rate: 27.30
Label#: EL784119258US
Corporate Acct.: 600672
Amount Charged: 27.30

Subtotal 0.00
Total 0.00

Number of Items Sold: 1

Thank You
Please come again!

U.S. Patent Application Serial NO. 09/807,647

**TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C. 371**

2560US0P

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

INTERNATIONAL APPLICATION NO.
PCT/JP99/05754

INTERNATIONAL FILING DATE
October 19, 1999

PRIORITY DATE CLAIMED
October 20, 1998

TITLE OF INVENTION

1,5-Benzodiazepine Compounds, Their Production and Use

APPLICANT(S) FOR DO/EO/US

Satoru Oi et al.

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).
4. ☒ A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. ☐ is transmitted herewith (required only if not transmitted by the International Bureau).
 - b. ☒ has been transmitted by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ A translation of the International Application into English (35 U.S.C. 371(c)(2)). *
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. ☐ are transmitted herewith (required only if not transmitted by the International Bureau).
 - b. ☐ have been transmitted by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☐ have not been made and will not be made.
8. ☐ A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11. to 16. below concern document(s) or information included:

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☐ A **FIRST** preliminary amendment.
☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
14. ☐ A substitute specification.
15. ☐ A change of power of attorney and/or address letter.
16. ☒ Other items or information:
 - 1) Sequence Listing (Paper & Computer-readable copies)
 - 2) Sequence Listing Statement

* This includes specification 221 total pages, including Claims 1-18 (9 pgs), Abstract (1 pg), and Sequence listing (4 pgs).

Express Mail Label #: EL 784119258US Docket #: 2560US0P
Applicants: Satoru OI et al. Date: 4/16/01

Title: "1.5-Benzodiazepine Compounds, Their Production and Use"

Kindly acknowledge receipt of the accompanying:

- 1) This PTO Return Receipt Postcard
- 2) Transmittal letter (2 pgs X 2)
- 3) A Translation of the International Application into English
[This includes Specification 221 total pages, including Claims 1-18 (9 pgs.),
Abstract (1 pg.), and Sequence Listing (4 pgs.)]
- 4) Executed Declaration
- 5) Information Disclosure Statement with PTO form 1449, and copies of
IDS citations (6), and the International Search Report
- 6) Executed Assignment and assignment cover sheet (and one copy of the
cover sheet)
- 7) Sequence Listing Statement
- 8) Sequence Listing (Paper & Computer-readable copies)

09/807647

Express Mail Label #: EL 784119258US Docket #: 2560US0P
Applicants: Satoru OI et al. Date: 4/16/01

Title: "1.5-Benzodiazepine Compounds, Their Production and Use"

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IDS citations (6), and the International Search Report
- 6) Executed Assignment and assignment cover sheet (and one copy of the
cover sheet)
- 7) Sequence Listing Statement
- 8) Sequence Listing (Paper & Computer-readable copies)

JCO7 Rec'd PCT/PTO T 6 APR 2001

U.S. Patent Application Serial NO. 09/807,647

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| | | | |
|---------------------------|--|------------|-----|
| Application No.: | tba | Art Unit: | tba |
| Filed: | tba | Examiner: | tba |
| 1 st Inventor: | Satoru OI | Allowed: | |
| For: | 1.5-Benzodiazepine Compounds, Their Production and Use | Batch: | |
| Atty. Dkt. No. | 2560 USOP | Paper No.: | |

CERTIFICATE OF EXPRESS MAILING UNDER 37 CFR 1.10

USPS EXPRESS MAIL LABEL. No. EL 784119258 US

DATE IN: April 16, 2001

Itemized Papers/Items:

1. This certificate and a Return Receipt Postcard (2 pgs.)
2. Transmittal Letter for Filing under 35 USC 371 (2 pgs. X 2)
3. English Translation of the International Application as filed in Japanese [This includes Specification 221 total pages, including Claims 1-18 (9 pgs.), Abstract (1 pg.) and Sequence Listing (4 pgs.)]
4. Executed Declaration/Power of Attorney (4 pgs.)
5. Information Disclosure Statement (2 pgs.) with PTO form 1449 (1 pg.), and copies of IDS citations (6), and the International Search Report (2 pgs.)
6. Executed Assignment (2 pgs.) and assignment cover sheet (1 pg. X 2)
7. Sequence Listing Statement (1 pg.)
8. Sequence Listing (Paper & Computer-readable copies) (2 pgs.)

The undersigned hereby certifies that the above itemized papers are together being deposited with the Express Mail Post Office to Addressee service of the United States Postal Service (USPS) in an envelope with sufficient postage, having the USPS Express Mail Label No. shown above, and addressed to:

BOX PCT
Commissioner for Patents
Washington, D.C. 20231.

on this date, 4/16/01.



Dated: Gail L. Winokur

EL 784119258US

U.S. Patent Application Serial NO. 09/807,647